

**Marked-up Claims:**

13. (Amended) The process according to [any one of claims 1 - 12] claim 1, wherein the substrate is a ceramic sheet.

18. (Amended) The process according to claim 16 [or 17], wherein the base is ammonia or a water-soluble amine.

20. (Amended) The process according to [any one of claims 14 - 19] claim 14, wherein the cobalt compound which is loaded on the aluminum-coated ceramic sheet comprises particles with a size of 1 nm to 100 nm.

21. (Amended) The process according to [any one of claims 14 - 20] claim 14, wherein the cobalt compound is loaded by impregnation, dipping, a sol-gel process or a reverse micelle process.

22. (Amended) The process according to [any one of claims 14 - 21] claim 14, wherein the calcining temperature is between 300 and 800°C.

23. (Amended) The process according to [any one of claims 13 - 22] claim 13, wherein the ceramic sheet is a porous ceramic sheet.

24. (Amended) The process according to [any one of claims 13 - 23] claim 13, wherein the ceramic sheet is made of silica-alumina.

25. (Amended) The process according to [any one of claims 13 - 24] claim 13, wherein the ceramic sheet is heated to dry before aluminum is deposited.

26. (Amended) The process according to [any one of claims 14 - 25] claim 14, wherein aluminum is deposited by vacuum deposition, electrochemical deposition or sputtering.

27. (Amended) The process according to [any one of claims 1 - 26] claim 1, wherein the carbon compound is at least one member of the group consisting of saturated hydrocarbon compounds; unsaturated hydrocarbon compounds, aromatic hydrocarbon compounds and oxygen-containing hydrocarbon compounds.

28. (Amended) The process according to [any one of claims 1 - 27] claim 27, wherein the reaction temperature for the step of decomposing the carbon compound is between 400 and 1100°C.

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